Proposed Maximum Residue Limit PMRL2012-10

Indaziflam

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Under the authority of the *Pest Control Products Act*, Health Canada's Pest Management Regulatory Agency (PMRA) has received applications to register technical grade indaziflam and the end-use products Indaziflam 200SC Herbicide and Indaziflam 500SC Herbicide for use in Canada on almonds, apples, apricots, chestnuts, cherries, filberts, grapes, hazelnuts, Japanese heartnuts, nectarines, peaches, pears, plums and walnuts.

The evaluation of these indaziflam applications indicated that the end-use products have merit and value and the human health and environmental risks associated with its proposed uses are acceptable. Details regarding these applications can be found in Proposed Registration Decision PRD2011-20, *Indaziflam*, published to the Pesticides and Pest Management section of Health Canada's website on 7 October 2011.

Before registering a pesticide for food use in Canada, the PMRA must determine the quantity of residues that are likely to remain in or on the food when the pesticide is used according to label directions and that such residues will not be a concern to human health. This quantity is then legally established as a maximum residue limit (MRL). An MRL applies to the identified raw agricultural food commodity as well as to any processed food product that contains it, except where separate MRLs are specified for the raw agricultural commodity and a processed product made from it.

Consultation on the proposed MRLs for indaziflam was conducted domestically via PRD2011-20, which includes information regarding the proposed MRLs in Sections 3.5.4 and 7.1, and Appendix II addresses the international situation and trade implications. Supporting field trial residue data are provided in Appendix I, Table 5 of PRD2011-20.

To comply with Canada's international trade obligations, consultation on the proposed MRLs is also being conducted internationally by notifying the World Trade Organization, as coordinated by the Standards Council of Canada.

The proposed MRLs for indaziflam in Canada in or on food are as follows.

Table 1 Proposed Maximum Residue Limit for Indaziflam

Common Name	Residue Definition	MRL (ppm)	Food Commodity
Indaziflam	*N*-[(1*R*,2*S*)-2,3-dihydro-2,6-dimethyl-1*H*-inden-1-yl]-6-(1-fluoroethyl)-1,3,5-triazine-2,4-diamine, including the metabolite 6-[(1*R*)-1-fluoroethyl]-1,3,5-triazine-2,4-diamine	0.01	Pome fruits (Crop Group 11-09), stone fruits (Crop Group 12-09), tree nuts (Crop Group 14-11), small fruit vine climbing subgroup, except fuzzy kiwifruit (Crop Subgroup 13-07F)

MRLs are proposed for each commodity included in the listed crop groupings in accordance with the Residue Chemistry Crop Groups webpage in the Pesticides and Pest Management section of Health Canada's website.

A complete list of all pesticide MRLs established in Canada can be found on the Maximum Residue Limits for Pesticides webpage in the Pesticides and Pest Management section of Health Canada's website.

International Situation and Trade Implications

Table 2 compares the MRLs proposed for indaziflam in Canada with corresponding American tolerances and Codex Alimentarius MRLs[1]. The Canadian MRLs and American tolerances are consistent except that additional Canadian MRLs are proposed given that the MRLs reflect the expanded stone fruits and tree nuts crop groups. In addition, the American tolerance for vine climbing small fruit is limited to grapes only. American tolerances are listed in the Electronic Code of Federal Regulations, 40 CFR Part 180, by pesticide.

Currently, there are no Codex MRLs listed for indaziflam in or on any commodity on the Codex Alimentarius Pesticide Residues in Food webpage.

Table 2 Comparison of Canadian MRLs, American Tolerances and Codex MRLs

Food Commodity	Canadian MRL (ppm)	American Tolerance (ppm)	Codex MRL (ppm)
Pome Fruits (Crop Group 11-09)	0.01	0.01	Not established
Stone Fruits (Crop Group 12-09)	0.01	0.01 (Fruit, stone, group 12)	Not established
Tree Nuts (Crop Group 14-11)	0.01	0.01 (Nut, tree, group 14 and pistachios)	Not established
Small fruit vine climbing subgroup, except fuzzy kiwifruit (Crop Subgroup 13-07F)	0.01	0.01 (Grapes)	Not established

[1] The Codex Alimentarius Commission is an international organization under the auspices of the United Nations that develops international food standards, including MRLs.